



General information





Wellbore name	7/11-12 A
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Discovery	7/11-12 A
Well name	7/11-12
Seismic location	
Production licence	301 CS
Drilling operator	ConocoPhillips Skandinavia AS
Drill permit	1368-L
Drilling facility	MÆRSK GALLANT
Drilling days	146
Entered date	08.08.2011
Completed date	31.12.2011
Release date	15.03.2013
Publication date	15.03.2013
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS
Discovery wellbore	YES
1st level with HC, age	LATE JURASSIC
1st level with HC, formation	ULA FM
Kelly bushing elevation [m]	47.0
Water depth [m]	72.0
Total depth (MD) [m RKB]	5672.0
Final vertical depth (TVD) [m RKB]	5248.0
Maximum inclination [°]	52.7
Oldest penetrated age	TRIASSIC
Oldest penetrated formation	SKAGERRAK FM
Geodetic datum	ED50
NS degrees	57° 0' 54.51" N
EW degrees	2° 36' 13.54" E
NS UTM [m]	6319282.81
EW UTM [m]	475938.00
UTM zone	31
NPDID wellbore	6655



Wellbore history

General

Well 7/11-12 A is a geologic sidetrack from well 7/11-12 S, which found gas in tight sands in the Jurassic Peking Duck Prospect located 19 km SW of the Ula Field and 28 km NE of the UK Jade Field. The primary objective of the sidetrack was to test for reservoir and hydrocarbon presence in the Agn prospect in the Jurassic Ula Formation sandstone and the Triassic Skagerrak Formation sandstone ca 1 km NW of the Triassic Peking Duck prospect.

Operations and results

Wildcat well 7/11-12 A was kicked off on 8 August 2011 from the original 7/11-12 S well through a window cut from 3906.3 m to 3912.3 m in the 10"X 10 3/4" casing. It was drilled with the jack-up installation Mærsk Gallant to TD at 5672 m (5248 m TVD) in the Triassic Skagerrak Formation. The well was drilled WARP oil based mud from kick-off to TD.

A 58 m hydrocarbon column was identified in the target J62 sandstones of the Jurassic Ula Formation, from 5493 m (-5055 m TVDSS) to a Gas Down To (GDT) depth of 5565 m (5160 m TVD). Using a 9.1 % porosity cut-off, the interval consisted of 16 m net sand with an average 12 % porosity, an SW of 36 % and a net to gross of 0.17. The Triassic Skagerrak Formation was penetrated at 5587 m (5178 m TVD). Using a 9.1 % porosity cut-off, the interval consisted of 5.5m net sand with an average 10 % porosity, an SW of 76% and a net to gross of 0.08. The only oil show above the oil base mud was recorded at 5505 m to 5506 m.

No cores, formation pressure tests or wire line fluid samples were taken due to operational difficulties. A suite of logs including gamma ray, resistivity, neutron porosity, density and sonic was acquired on LWD.

The well was permanently abandoned on 31 December 2011 as a minor gas discovery.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
3915.00	5672.00

Cuttings available for sampling?	YES
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**Lithostratigraphy**

Top depth [mMD RKB]	Lithostrat. unit
119	NORDLAND GP
1606	HORDALAND GP
2899	UNDIFFERENTIATED
3152	ROGALAND GP
3152	BALDER FM
3171	SELE FM
3233	FORTIES FM
3332	LISTA FM
3415	VÅLE FM
3469	SHETLAND GP
3469	EKOFISK FM
3567	TOR FM
4067	HOD FM
4753	BLODØKS FM
4762	HIDRA FM
4995	CROMER KNOLL GP
4995	RØDBY FM
5089	SOLA FM
5112	TUXEN FM
5162	ÅSGARD FM
5301	TYNE GP
5301	MANDAL FM
5321	FARSUND FM
5493	VESTLAND GP
5493	ULA FM
5587	HEGRE GP
5587	SKAGERRAK FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - ABGR DIR DGR ADR PWD GP GM	3952	5213
MWD - DGR ADR DIR PWD	3957	4011
MWD - EWR DGR ALD CTN PWD DIR QB	5216	5672

**Casing and leak-off tests**

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
CONDUCTOR	30	244.0	36	255.0	0.00	LOT
SURF.COND.	20	959.0	26	964.0	1.75	LOT
PILOT HOLE		970.0	12 1/4	970.0	0.00	LOT
INTERM.	13 5/8	3895.0	17 1/2	3900.0	1.97	LOT
INTERM.	10 3/4	3912.0	12 1/4	3912.0	2.09	LOT
LINER	7 3/4	5216.0	8 1/2	5216.0	2.25	LOT
OPEN HOLE		5672.0	6 1/2	5672.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
2675	1.72	34.0		Paratherm	
2675	1.72	32.0		Paratherm	
3670	1.70	39.0		Paratherm	
4018	1.68	47.0		Warp	
4461	1.68	47.0		Warp	
4950	1.79	51.0		Warp	
5064	2.10	77.0		Warp	
5083	1.91	45.0		Warp	
5213	2.14	73.0		Warp	
5213	2.13	77.0		Warp	
5213	1.92	52.0		Warp	
5236	2.10	72.0		Warp	
5428	2.14	79.0		Warp	
5506	2.12	73.0		Warp	
5506	2.12	66.0		Warp	
5537	2.13	58.0		Warp	
5537	2.10	69.0		Warp	
5537	2.09	75.0		Warp	
5580	2.08	67.0		Warp	
5672	2.08	66.0		Warp	
5672	2.10	74.0		Warp	